Journal of Fluid Mechanics Volume 432 **10 April 2001**

S. J. S. Morris	Contact angles for evaporating liquids predicted and compared with existing experiments	1
C. Kouris & J. Tsamopoulos	Core–annular flow in a periodically constricted circular tube. Part 1. Steady-state, linear stability and energy analysis	31
R. A. King & K. S. Breuer	Acoustic receptivity and evolution of two-dimensional and oblique disturbances in a Blasius boundary layer	69
J. Mi, D. S. Nobes & G. J. Nathan	Influence of jet exit conditions on the passive scalar field of an axisymmetric free jet	91
K. W. Brinckman & J. D. A. Walker	Instability in a viscous flow driven by streamwise vortices	127
O. M. Faltinsen & A. N. Timokha	An adaptive multimodal approach to nonlinear sloshing in a rectangular tank	167
A. Aitta, H. E. Huppert & M. G. Worster	Diffusion-controlled solidification of a ternary melt from a cooled boundary	201
G. Briassulis, J. H. Agui & Y. Andreopoulos	The structure of weakly compressible grid-generated turbulence	219
V. S. Maderich, G. J. F. van Heijst & A. Brandt	Laboratory experiments on intrusive flows and internal waves in a pycnocline	285
P. Jeschke & H. Beer	Longitudinal vortices in a laminar natural convection boundary layer flow on an inclined flat plate and their influence on heat transfer	313
D.-H. Zhang & A. T. Chwang	Generation of solitary waves by forward- and backward-step bottom forcing	341
M. Westerburg & F. H. Busse	Finite-amplitude convection in the presence of finitely conducting boundaries	351
T. Peacock & T. Mullin	Homoclinic bifurcations in a liquid-crystal flow	369
D. Volfson & J. Viñals	Flow induced by a randomly vibrating boundary	387
A. D. D. Craik	A model for subharmonic resonance within wavepackets in unstable boundary layers	409
I. Kanda & P. F. Linden	Sensitivity of horizontal flows to forcing geometry	419
BOOK REVIEW		
	Numerical Models of Oceans and Oceanic Processes, by L. H. Kantha & C. A. Clayson	442
INDEX TO VOLUME 432		443
SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS		444

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200104)432;1-9